

From: [Young, Howard S.](#)
To: [Zhen, Davis](#); [Sheldrake, Sean](#)
Cc: [John Kern](#); [Scott Coffey](#)
Subject: RE: New issue with sediment recovery - flowing sand
Date: Friday, May 4, 2018 11:14:15 AM

There is are acceptance criteria for no "1. No or minimal excess water leaking from the jaws of the sampler. 4. Sediment surface appears to be intact with minimal disturbance." Julee observed some subsidence of the grab surface where the sediment loss was occurring.

From: Zhen, Davis <Zhen.Davis@epa.gov>
Sent: Friday, May 04, 2018 11:09 AM
To: Young, Howard S. <younghs@cdmsmith.com>; Sheldrake, Sean <sheldrake.sean@epa.gov>
Cc: John Kern (b) (6); Coffey, Scott <CoffeySE@cdmsmith.com>
Subject: RE: New issue with sediment recovery - flowing sand

Howard,

Sean and I spoke about this. And at the moment, I would say keep it consistent with the FSP. Especially we don't have any suggestions for a protocol change. Just out of my curiosity, what criteria in the FSP is leading them to discard the samples.

Thanks,

Davis Zhen, Manager
Site Cleanup Unit 2
Office of Environmental Cleanup
1200 Sixth Avenue Suite 155
M/S ECL – 122, Seattle, WA 98101
Tel: (206) 553-7660
Cell: (206) 437-5826

From: Young, Howard S. [<mailto:younghs@cdmsmith.com>]
Sent: Friday, May 04, 2018 10:44 AM
To: Sheldrake, Sean <sheldrake.sean@epa.gov>; Zhen, Davis <Zhen.Davis@epa.gov>
Cc: John Kern (b) (6); Scott Coffey <coffeyse@cdmsmith.com>
Subject: New issue with sediment recovery - flowing sand

Sean and Davis,

We observed a new issue with the power grab sampling yesterday. At some locations, the sampling crews are encountering a black flowing sand that has very low cohesion and just flows out the bottom and sides of the power grab sampler. This occurs consistently when the black flowing sand is present and the grab jaws are completely closed. Crews have been following the FSP and rejecting these grabs and moving. The possible issue is that rejecting these black flowing sand grabs may result in a sample bias so I wanted to bring to this groups attention. It is a new issue but unrelated to penetration issues of hard sediment. Attached a couple of photos of the material.

Looking for direction from EPA on whether to continue following the FSP and reject these types of grabs.

Thank you,

Howard S. Young, LG | CDM Smith
14432 SE Eastgate Way, Suite 100 | Bellevue, WA 98007-6493

T: 425.519.8300 | Direct 425.519.8351 | Cell 206.491.4663 | younghs@cdmsmith.com |
www.cdmsmith.com